



## State of New Jersey

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# **2004 EMISSION STATEMENT REPORTING YEAR**

# **ADDENDUM TO THE 2003 EMISSION STATEMENT GUIDANCE DOCUMENT**

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## **WHAT'S NEW WITH THE 2004 EMISSION STATEMENT PROGRAM**

There will be minimal difference between the 2003 and the 2004 Emission Statement Program. There are no additional reporting requirements. The only new item for the 2004 Emission Statement is to use RADIUS version 3.01, which is available at the RADIUS webpage for free download ([www.state.nj.us/dep/aqpp/radius.html](http://www.state.nj.us/dep/aqpp/radius.html)).

## **DUE DATE FOR EMISSION STATEMENT SUBMITTAL**

- Non-Applicability request is due February 1, 2005, to be considered for non-applicability for the 2004 submittal
- Hardship waiver request for paper forms is due March 1, 2005.
- If a facility had prior written approval to report on paper forms, then the due date of the completed paper forms is April 15, 2005.
- For all other facilities submitting electronically using RADIUS, the due date is May 15, 2005.

## **COMMON ISSUES IN REASONABLENESS LETTERS FROM 2003 EMISSION STATEMENTS**

The following is a list of issues that were frequently asked in the Reasonableness Letters the Department sent to facilities as a follow-up to the original Emission Statement submittal. This list may help when completing the 2004 Emission Statement.

- Report CO<sub>2</sub> in 1000 tons/yr
- Report TAP's in lbs/yr
- Report NO<sub>x</sub> for 5/1-9/30 in tons/season
- Report PM<sub>2.5</sub> for sources of particulates
- Report ammonia
- Report PM<sub>2.5</sub> and ammonia at source level
- Report NAICS
- Use of proper AP-42 emission factors
- Include condensable as part of PM
- Select pollutants from drop-down list
- Report emission factors for all method codes except for CEM and material balance
- "Sum Facility Emissions" before creating file
- Use the Submit function in RADIUS
- Use Save As Different Year under the Tools drop-down menu, not under the File drop-down menu
- Report Source Details and Control Operations
- Report the proper SCC (at least 3 levels, must start with a #, and don't use 3-99-999)
- Correctly link the equipment, emission point, and control device in the Emission Unit/batch Process Inventory
- Mirror permit(s)

- Correctly identifying the Equipment Type
- Report fuel usage for combustion sources
- Report amount of coating/ink/solution as applied in coating/printing processes
- RADIUS only calculates emissions for boilers for specific fuel types and firing method
- RADIUS only calculates emissions for coating/printing processes
- Autocalculate does not calculate emissions for the NOx tons/season (5/1-9/30) nor emissions for PM2.5, ammonia, CO2, methane, and TAP's
- Correctly use the check boxes on the General screen
- Create new equipment/operating scenario for control devices that burn fuel

## **FREQUENTLY ASKED QUESTIONS**

In addition to the above list from the Reasonableness Letters, there are few frequently asked questions that the Department received via the telephone or e-mail. They are listed here:

- Emission factors for PM2.5, ammonia, CO2, methane, and toxic air pollutants (TAP's); resources include:
  - USEPA (AP-42, FIRE, etc.)
  - CARB
  - MSDS
  - Manufacture's data
  - Industry council data
- Errors when upgrading/installing RADIUS
  - Do not run the upgrade/install file again
  - Call the Department immediately for assistance

## **RADIUS "BUGS"**

During the last year, several bugs in RADIUS were identified. These bugs were problems in the software that did not prevent the submittal of the Emission Statement but may prevent the recording of certain data fields. These bugs were not fixed in RADIUS 3.1 due to time constraint but will be in future versions. Users are asked to do their best to work around these bugs. Here is the list of these bugs:

- Occasionally, emissions may not automatically sum up at FG0, IS0, and OS0 levels. Please contact the Emission Statement Helpline (609-984-5483) for assistance.
- Printing problems which include missing NOx tons/season, headings on the Emissions screen, etc.
- NOx tons/season is not available for Batch Process, therefore, cannot be entered.
- Source Details errors that include pop-up windows with error messages. In this case, please provide the data on a cover letter.
- When using the Save As or Save As Different Year, the NOx tons/season emissions number is not copied into new file (may also be same for a few Source Details).